



**Integrated Agriculture**



 **Pain**  
ENTERPRISES  
*Carbon Dioxide Specialists*



Integrated Agriculture

**Commonwealth Agri-Energy, LLC**

[www.commonwealthagrienergy.com](http://www.commonwealthagrienergy.com)

PO Box 766 • 4895 Pembroke Road  
Hopkinsville, KY 42241

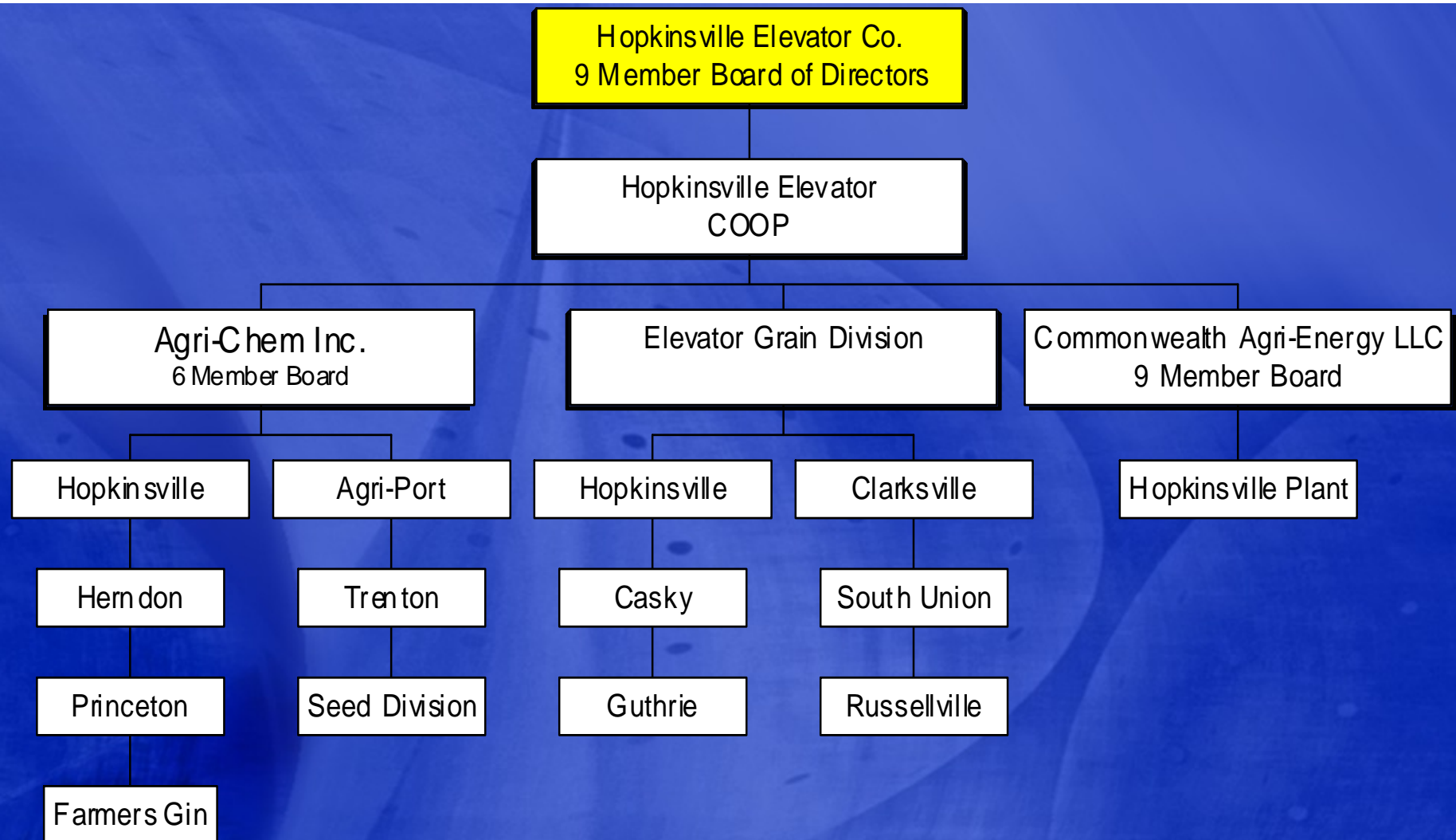
270-475-4415 • Fax: 270-475-4416  
Control Room Ext. 111





# **Hopkinsville Elevator CO-OP ...A Valuable Kentucky Asset!**

- **2300 Member/Owner Farmers!**
- **2nd Largest Grain Marketing  
CO-OP in the Southeast!**



**Total Sales for the Above Entities = \$150,000,000**

**Partners... for Strength**

**Kentucky Corn Growers Assn.**

**650 members and ....they invested 1  
million dollars !!**

**With this Buy-In there are nearly 3,000  
farmer investors!!!**

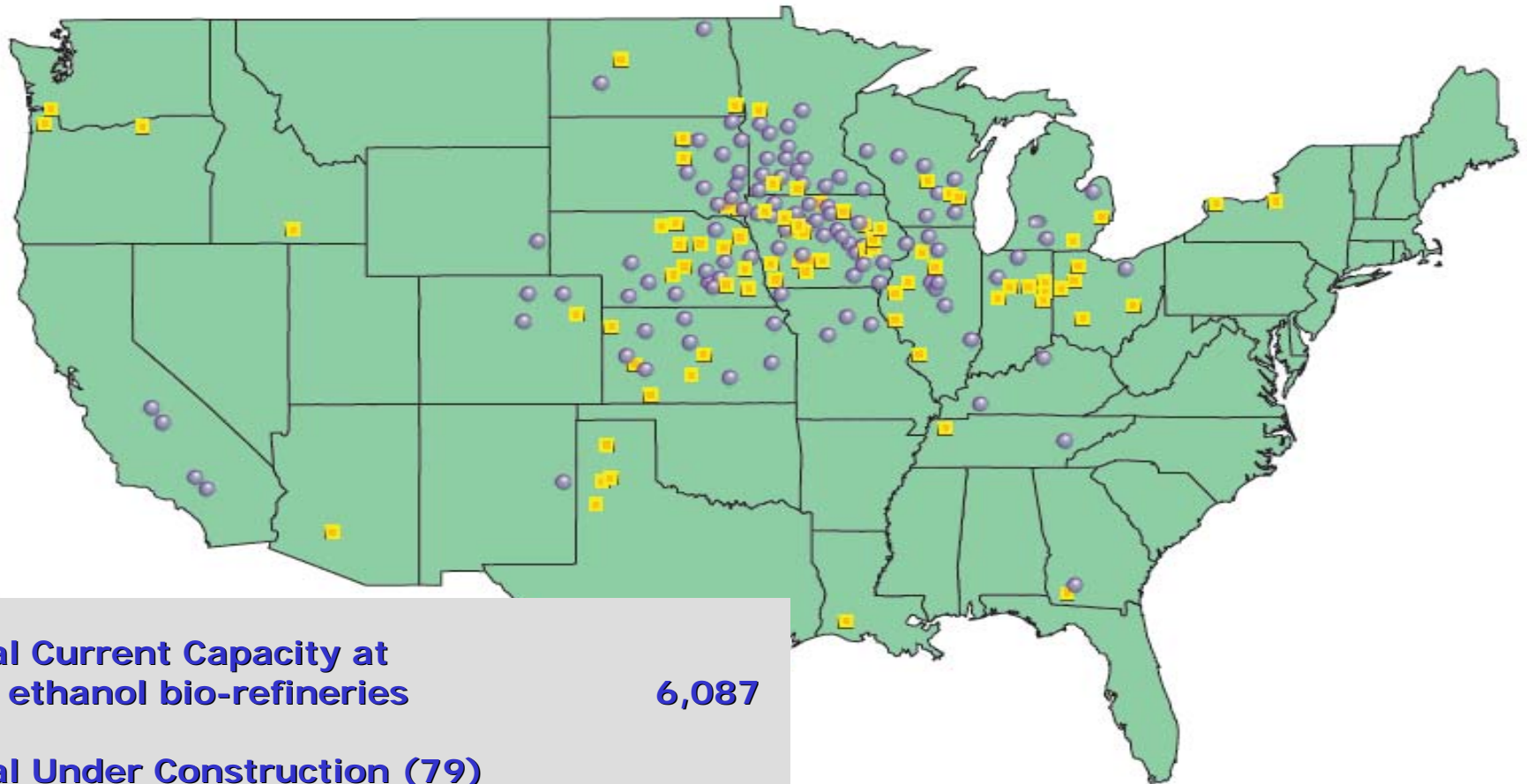


# Today - CAE Produces

- 33 million gallons denatured ethanol per year
- 100,000 tons DDGS per year
- 100,000 tons of CO2 per year
- 2,800 tons of corn oil per year
- Utilizes 33,000 bushels of corn per day, almost 12 million bushels per year



# U.S. Ethanol Biorefinery Locations



**Total Current Capacity at  
118 ethanol bio-refineries** **6,087**

**Total Under Construction (79)  
/Expansions (8)** **6,430**

**Total Capacity** **12,517**

Source: Renewable Fuels Association  
4.3.07

## Hearing on the Impact of Renewable Energy Production in Rural America

**“Much of the growth of the U.S. ethanol industry to date has been supported by farmers and local residents investing their hard-earned dollars together in an ethanol biorefinery.**

**These locally owned facilities not only provide the jobs and economic activity that comes with ethanol production, they provide investors with a return on investment and keep the profits in the local community. Local ownership of ethanol production provides unique opportunities and great benefits.**

**According to the Renewable Fuels Association’s analysis a 33 million gallon ethanol facility results in the following impacts on the local economy:**

- Spend an estimated \$30 million for goods and services;**
- Use 12 million bushels of corn;**
- Operational spending will generate \$135 million for the local economy;**
- Increase the size of the state economy by \$75 million;**
- Generate nearly 530 new jobs; and,**
- Increase household income by more than \$16.5 million.”**

**May 3, 2007**

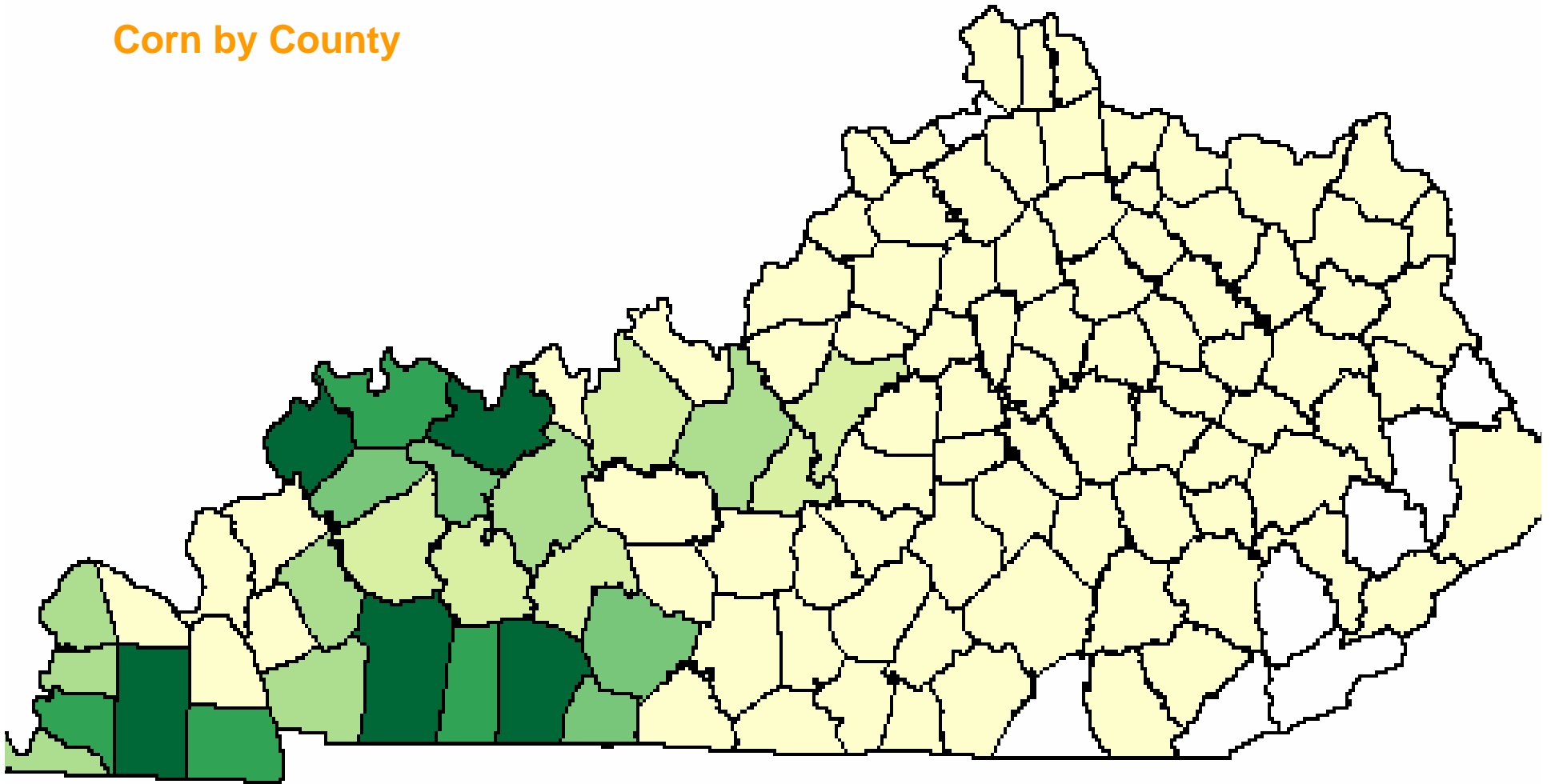
**Testimony of Bob Dinneen**

**President & CEO, Renewable Fuels Association**



---

## Corn by County



# KENTUCKY

## CORN COUNTY ESTIMATES – 2006

Released: March 7, 2007



USDA, NASS, Kentucky Field Office  
P.O. Box 1120 Louisville, KY 40201  
502-582-5293 or 1-800-928-5277  
E-mail: nass-ky@nass.usda.gov  
http://www.nass.usda.gov/ky

District and County	Acres Planted	Acres Harv. 1/	Yield Harv. Acre	Production (Bushels)	District and County	Acres Planted	Acres Harv. 1/	Yield Harv. Acre	Production (Bushels)
Ballard	24,900	24,500	149	3,650,500	Boone	1,600	1,400	152	212,800
Calloway	32,500	31,700	142	4,501,400	Carroll	700	600	127	76,200
Carlisle	22,000	21,600	154	3,326,400	Gallatin	800	700	140	98,000
Fulton	19,100	19,000	163	3,097,000	Henry	3,400	2,400	130	312,000
Graves	54,300	53,500	141	7,543,500	Oldham	3,300	3,000	141	423,000
Hickman	38,300	38,200	152	5,806,400	Owen	900	600	134	80,400
Livingston	8,100	8,000	147	1,176,000	Pendleton	900	800	115	92,000
Lyon	5,700	5,600	146	817,600	Trimble	1,100	800	110	88,000
McCracken	12,200	12,000	141	1,692,000	Other Counties 2/	2,600	1,100	119.4	131,300
Marshall	7,000	6,800	122	829,600	<b>DISTRICT 4</b>	15,300	11,400	132.8	1,513,700
Trigg	16,900	16,700	166	2,772,200	Bath	1,700	1,400	133	186,200
<b>DISTRICT 1</b>	241,000	237,600	148.2	35,212,600	Bourbon	2,400	2,100	119	249,900
Caldwell	19,700	19,300	159	3,068,700	Boyle	2,200	1,100	168	184,800
Christian ←	74,100	72,300	151	10,917,300	Clark	1,400	1,200	106	127,200
Crittenden	9,000	8,900	153	1,361,700	Fayette	2,100	1,800	126	226,800
Daviess	60,100	59,800	153	9,149,400	Fleming	4,100	1,700	137	232,900
Hancock	5,900	5,800	153	887,400	Franklin	800	600	166	99,600
Henderson	66,500	66,400	143	9,495,200	Garrard	1,300	600	119	71,400
Hopkins	23,800	23,600	147	3,469,200	Harrison	2,400	2,000	122	244,000
Logan	57,400	55,700	132	7,352,400	Jessamine	900	600	111	66,600
McLean	36,000	35,900	148	5,313,200	Lincoln	8,500	6,500	134	871,000
Muhlenberg	12,600	12,500	139	1,737,500	Madison	1,800	1,200	146	175,200
Ohio	23,300	23,200	151	3,503,200	Mason	5,900	3,800	125	475,000
Simpson	34,200	33,500	146	4,891,000	Mercer	2,300	1,300	101	131,300
Todd	46,500	44,800	157	7,033,600	Montgomery	1,500	1,100	123	135,300
Union	71,300	71,000	153	10,863,000	Nicholas	1,000	700	108	75,600
Webster	32,000	31,800	139	4,420,200	Scott	1,300	1,100	121	133,100
<b>DISTRICT 2</b>	572,400	564,500	147.9	83,463,000	Shelby	11,900	9,700	152	1,474,400
					Spencer	2,600	2,200	130	286,000



# KENTUCKY

## CORN COUNTY ESTIMATES – 2006



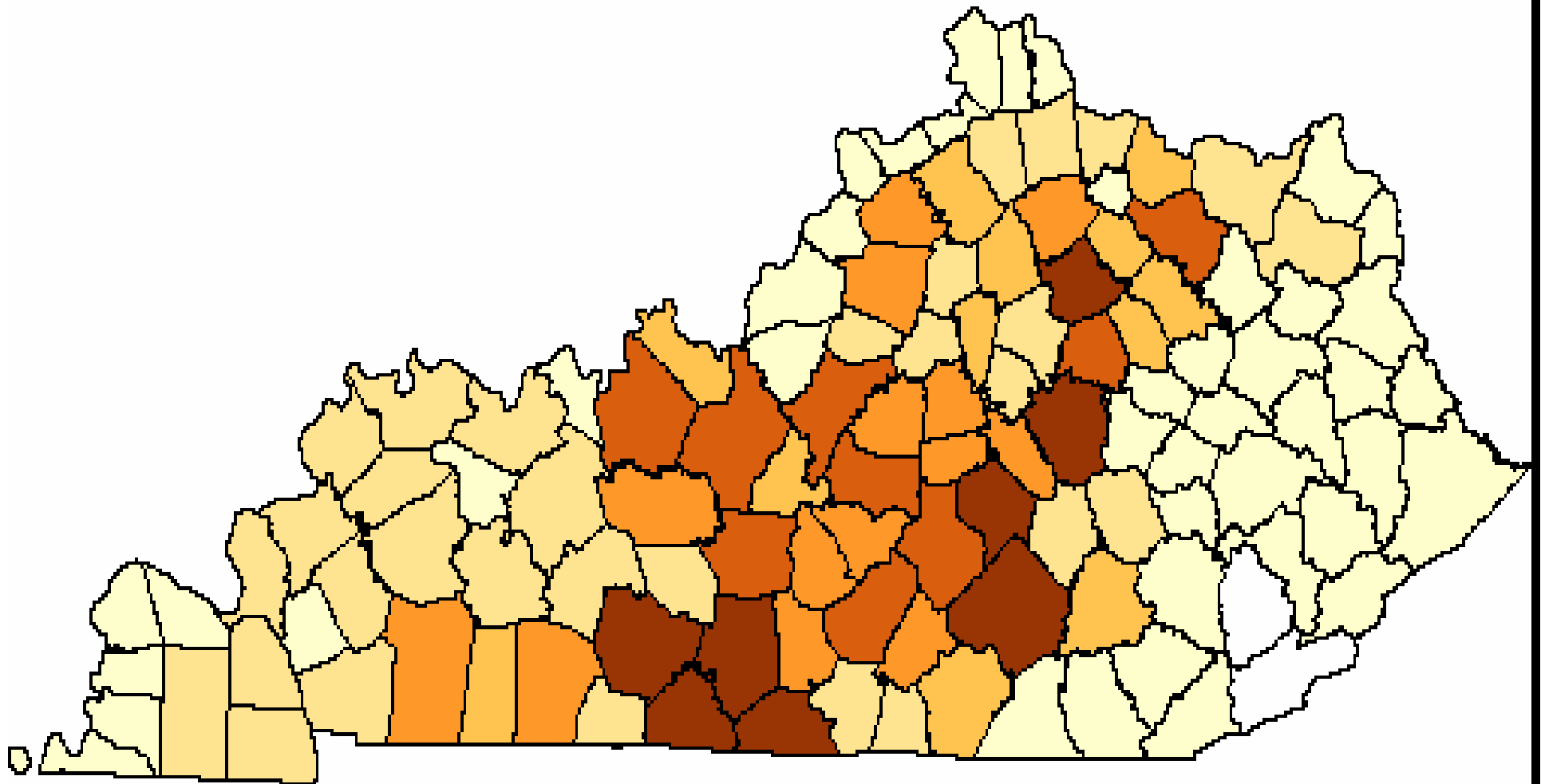
USDA, NASS, Kentucky Field Office  
P.O. Box 1120 Louisville, KY 40201  
502-582-5293 or 1-800-928-5277  
E-mail: nass-ky@nass.usda.gov  
http://www.nass.usda.gov/ky

Released: March 7, 2007

District and County	Acres Planted	Acres Harv. <u>1/</u>	Yield Harv. Acre	Production	District and County	Acres Planted	Acres Harv. <u>1/</u>	Yield Harv. Acre	Production
				(Bushels)					(Bushels)
Adair	8,700	3,500	107	374,500	Washington	3,400	2,400	145	348,000
Allen	2,300	2,000	117	234,000	Woodford	1,300	1,100	135	148,500
Barren	16,700	9,300	135	1,255,500	Other Counties <u>2/</u>	1,100	400	125.5	50,200
Breckinridge	12,000	11,800	128	1,510,400	<b>DISTRICT 5</b>	61,900	44,600	134.4	5,993,000
Bullitt	2,100	1,900	119	226,100	Carter	700	600	99	59,400
Butler	14,200	14,000	169	2,366,000	Estill	700	600	104	62,400
Casey	4,900	3,600	151	543,600	Greenup	1,000	900	105	94,500
Clinton	1,600	1,100	140	154,000	Knox	900	700	120	84,000
Cumberland	1,500	1,100	107	117,700	Lewis	1,500	1,200	119	142,800
Edmonson	1,700	1,300	138	179,400	Pulaski	8,300	5,800	138	800,400
Grayson	7,800	6,300	132	831,600	Rockcastle	1,300	900	117	105,300
Green	5,000	3,100	139	430,900	Rowan	800	600	130	78,000
Hardin	23,700	22,900	147	3,366,300	Wayne	4,600	4,100	144	590,400
Hart	4,500	2,500	131	327,500	Whitley	800	600	155	93,000
Jefferson	600	500	100	50,000	Other Counties <u>2/</u>	4,500	2,800	92.1	258,000
Larue	14,600	13,900	146	2,029,400	<b>DISTRICT 6</b>	25,100	18,800	126.0	2,368,200
Marion	10,600	8,000	141	1,128,000	<b>KENTUCKY</b> ←	1,120,000	1,040,000	146.0	151,840,000
Meade	9,700	9,500	144	1,368,000					
Metcalfe	4,200	1,000	123	123,000					
Monroe	5,300	2,100	124	260,400					
Nelson	12,600	9,700	134	1,299,800					
Russell	4,200	2,400	113	271,200					
Taylor	7,900	6,200	146	905,200					
Warren	27,900	25,400	155	3,937,000					
<b>DISTRICT 3</b>	204,300	163,100	142.8	23,289,500					

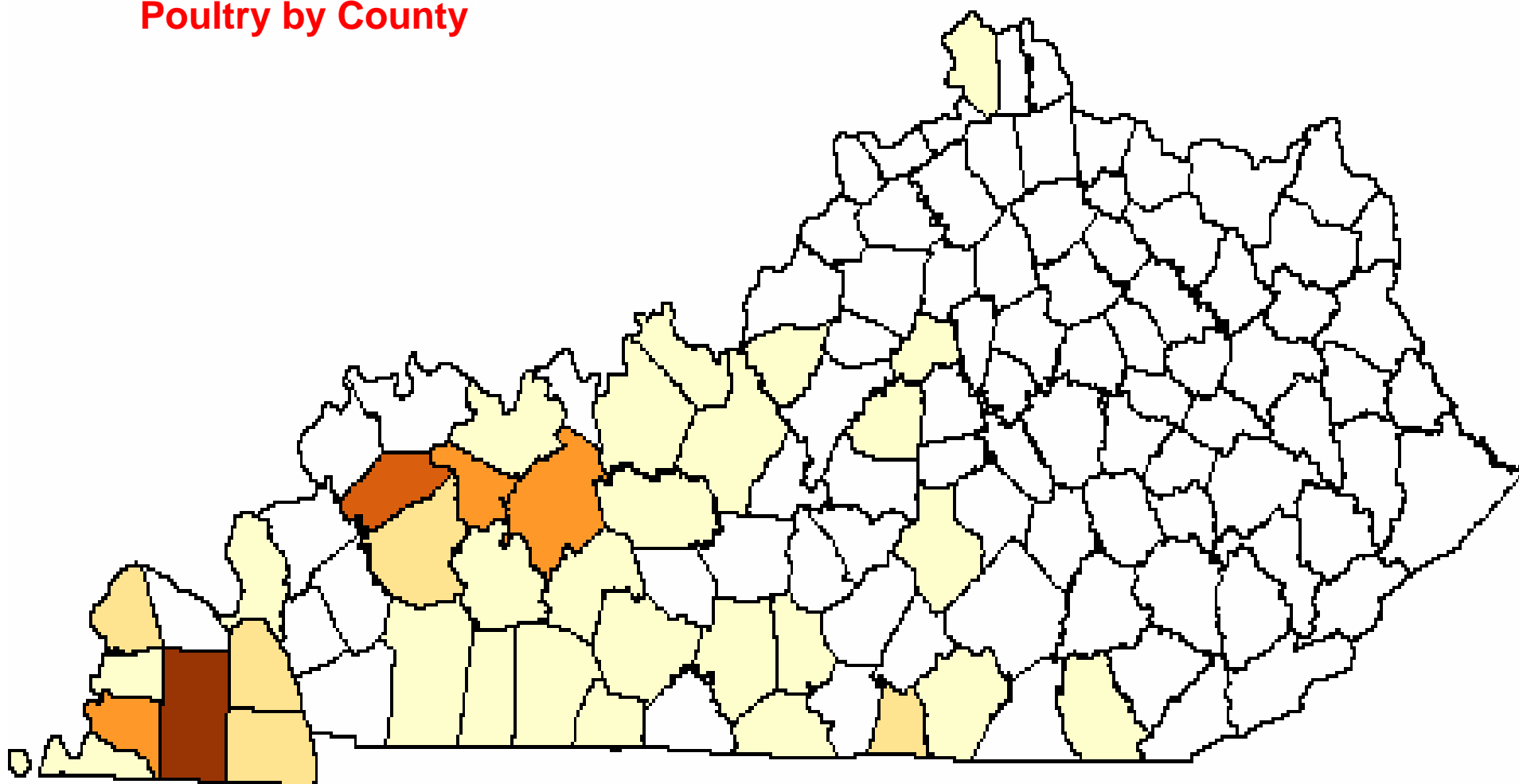
1/Harvested for Grain. 2/Less than 500 acres harvested included in "Other Counties".

\_\_\_\_\_





## Poultry by County



C K7 [10] - CORN (DAY)

LAST: 353'6

CHANGE: ▼ 15'6

HIGH: 357'4

LOW: 353'0

5/11/2007





AC M7 [10] - DENATURED FUEL ETHANOL

LAST: 2.100

CHANGE: ▲ 0.005

HIGH: 2.100

LOW: 2.100

5/11/2007



CBOT *ADVANTAGE*



Month	Corn Bushels Processed	Ethanol Gallons Produced	Safety OSHA record able injuries	Yield Gallons / Bushel Un-denatured	Quality Fermenter residual sugars and ethanol	Efficiency (BTU per gallon as Natural Gas)
Fiscal 2005	8,532,140	24,044,663	1	2.74	1.70%, 12.4%	31,354
Fiscal 2006	9,139,441	25,510,807	2	2.74	1.40%, 12.8%	32,363
Fiscal 2007 Expected	11,900,000	32,600,000	0	2.64	1.6%, 12.8%	34,000
Fiscal 2008 Expected	11,700,000	33,000,000	0	2.74	1.3%, 13.0%	31,000

## Senate Energy Committee Passes Renewable Fuels Legislation

The Senate Energy and Natural Resource Committee on May 2, 2007 approved energy legislation that calls for 36 billion gallons of renewable fuel use by 2022 by a vote of 20-3.

RFA President Bob Dinneen praised the committee for its common sense approach, stating:

“This bill is to cellulosic ethanol what the 2005 energy bill was to grain ethanol. Combining all the sound provisions of previous renewable energy proposals, this legislation will provide the kind of incentive and opportunity for wide scale investment in the development of ethanol production from materials in addition to grain. Whether it’s the fiber in the kernel of corn, the corn stalks left on the field, switchgrass, wood chips or any other agricultural byproducts, we will need ethanol production from all these sources to achieve a more secure and stable energy and environmental future.”





- **Future Major Projects to consider**
  - **Expansion to 42 MMGPY or 48 MMGPY**
  - **Biomass Thermal Oxidizing Boiler to reduce Natural Gas costs**
  - **Dry Fractionation Process to improve product mix @ 33 MMGPY**
  - **or DFP to 39 MMGPY**



**Integrated Agriculture**